

WHAT IS CLAIMED IS:

- 1 1. An electrical apparatus comprising:
 - 2 (a) an electrical device comprising (i) a housing including a first battery
3 holding region capable of holding a first battery and a second battery holding region capable
4 of holding a second battery, wherein the first and second battery holding regions are aligned
5 along a same axis, and (ii) a battery separator between the first battery holding region and the
6 second battery holding region; and
7 (b) a battery pack including (i) a body, and (ii) a rechargeable power
8 source within the body, wherein at least a portion of the body is receivable in the first and
9 second battery holding regions.
- 1 2. The electrical apparatus of claim 1 wherein the body includes two
2 outer linear portions and an intermediate portion coupling the two outer linear portions.
- 1 3. The electrical apparatus of claim 2 wherein the two outer linear
2 portions include respective first and second ends, the first ends of the two outer linear
3 portions being closer to each other than the second ends of the two outer linear portions.
- 1 4. The electrical apparatus of claim 2 wherein the intermediate portion
2 includes electrical contacts that are coupled to the rechargeable power source.
- 1 5. The electrical apparatus of claim 1 wherein the first and second battery
2 holding regions are cooperatively configured to receive the portion of the body.
- 1 6. The electrical apparatus of claim 1 wherein the battery separator is
2 capable of moving in a direction substantially perpendicular to an orientation of the first or
3 the second battery.
- 1 7. The electrical apparatus of claim 1 wherein the apparatus is a
2 hand-held gaming device.
- 1 8. The electrical apparatus of claim 1 wherein the electrical apparatus is a
2 book reading device.

1 9. The electrical apparatus of claim 1 wherein the electrical device
2 comprises an input device, a processor coupled to the input device, and an audio output
3 device coupled to the processor.

1 10. The electrical apparatus of claim 1 further comprising a biasing
2 element located proximate at least one end of the first battery holding region or the second
3 battery holding region.

1 11. The electrical apparatus of claim 1 wherein the housing includes a
2 third battery holding region capable of holding a third battery and a fourth battery holding
3 region capable of holding a fourth battery, wherein the third and fourth battery holding
4 regions are aligned along a second axis, and wherein the electrical device includes a second
5 battery separator between the third and fourth battery holding regions.

1 12. The electrical apparatus of claim 11 wherein the body has a second
2 portion including a second aperture that is receivable in the third battery holding region and
3 the fourth battery holding region.

1 13. The electrical apparatus of claim 12 wherein the battery separator
2 remains in a substantially fixed position.

1 14. The electrical apparatus of claim 1 wherein the battery separator
2 remains in a substantially fixed position in the battery holding region, and wherein the body
3 includes an aperture, wherein the aperture is capable of receiving the battery separator.

1 15. The electrical apparatus of claim 1 wherein the rechargeable power
2 source comprises at least two rechargeable batteries aligned end to end.

1 16. A battery pack comprising:
2 (a) a linear portion;
3 (b) a first rechargeable battery;
4 (c) a second rechargeable battery; and
5 (d) an aperture in the linear portion in between the first rechargeable
6 battery and the second rechargeable battery, wherein the aperture is capable of receiving a
7 battery separator.

1 17. The battery pack of claim 16 wherein the linear portion is a first linear
2 portion aligned along a first axis, wherein the aperture is a first aperture, and wherein the
3 battery pack includes a second linear portion aligned along a second axis, wherein the second
4 linear portion includes a third rechargeable battery and a fourth rechargeable battery, and
5 wherein a second aperture is in the second linear portion between the third rechargeable
6 battery and the fourth rechargeable battery.

1 18. The battery pack of claim 17 wherein an intermediate portion couples
2 the first linear portion and the second linear portion.

1 19. The battery pack of claim 17 wherein the first and second axes diverge.

1 20. An electrical apparatus comprising:

2 (a) an electrical device comprising (i) a housing including a first battery
3 holding region capable of holding a first battery and a second battery holding region capable
4 of holding a second battery, wherein the first and second battery holding regions are aligned
5 along a first axis, a third battery holding region capable of holding a third battery and a fourth
6 battery holding region capable of holding a fourth battery, wherein the third and fourth
7 battery holding regions are aligned along a second axis, and (ii) a first battery separator
8 between the first battery holding region and the second battery holding region, and a second
9 battery separator between the third battery holding region and the fourth battery holding
10 region; and

11 (b) a battery pack including (i) a body, and (ii) a rechargeable power
12 source comprising a plurality of rechargeable batteries, wherein a first linear portion of the
13 battery pack is receivable in the first and second battery holding regions and wherein a
14 second linear portion of the battery pack is receivable in the third and fourth battery holding
15 regions, and wherein an intermediate portion couples the first linear portion and the second
16 linear portion.

1 21. The apparatus of claim 20 wherein the electrical apparatus is a hand
2 held gaming apparatus.

1 22. The apparatus of claim 20 wherein the electrical apparatus further
2 comprises a back cover that is ergonomically shaped with a user's hands.